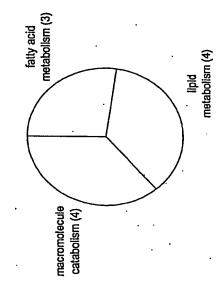


EV620765432US

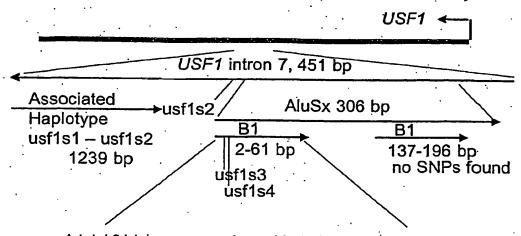
Down-regulated genes

biotic stimulus response to -- pest/pathogen/ parasite (13) defense response (16) response to (17) response to wounding (9) immune response (16) macromolecule catabolism (8) response to stress (14) cell adhesion inflammatory response (7) 8 innate immune morphogenesis (7) esnodsar cellular cytosolic (3) invasive growth colony morphology (3) concentration elevation (3) catabolism (12) stimulus (11) calclum ion response to external ල

Up-regulated genes



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A total 91 human genes have this 60 bp sequence, similar to the mouse B1 repeat, as a part of AluSx on the coding strand (43 genes) or on the opposite strand (48 genes)

Figure 3a

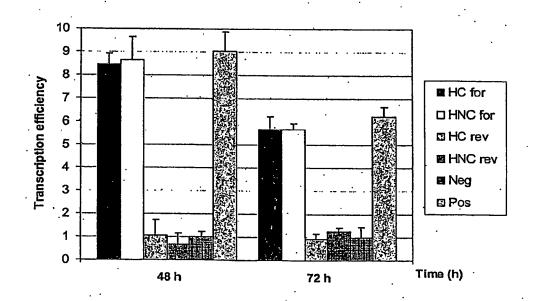
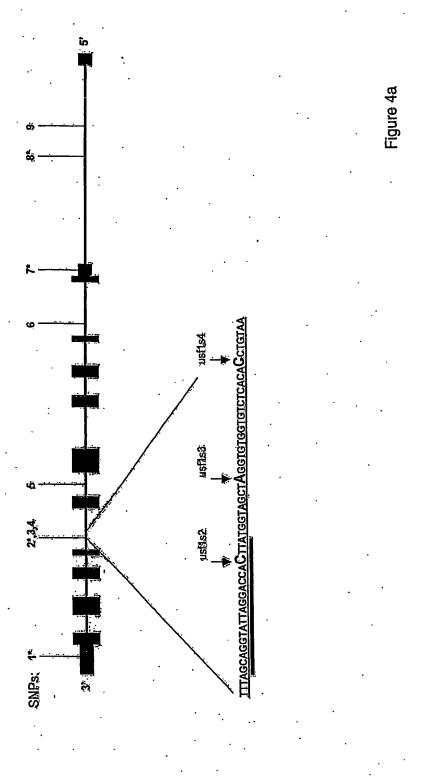


Figure 3b



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TTTAGCAGGTATTAGGACCANTTATGGTAGCTAGGTGTGTGTGTCTCACALCTGAA TTTA SCACETATTAGGACCACTTATGGTAGCTNGGTGTGTGTCTCACACCTGTAA usf1s3 usf1s2 20bp probe 34bp probe

306bp AluSx

Human: GGTATTAGGACCA: TTATGGTAGC

Chimp: GGTATTAGGACCA TTATGGTAGC

Dog: GG AT A GACCA Mouse: GG A

ACCAT

ACCALTCAT GG A T

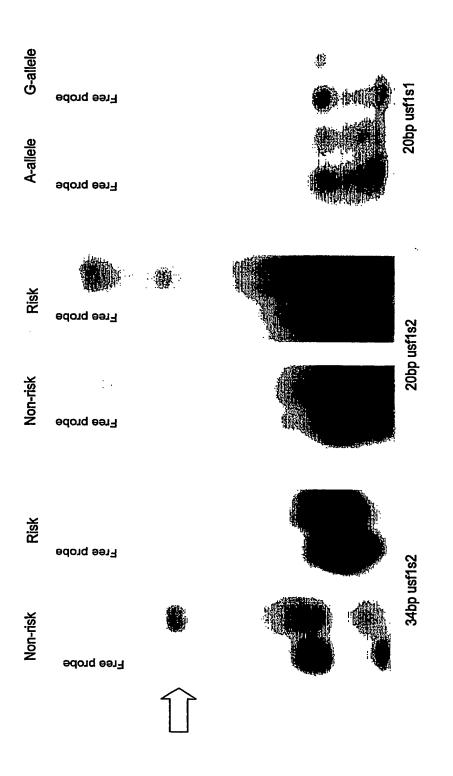
Rat:

CCA: ---

Chicken:

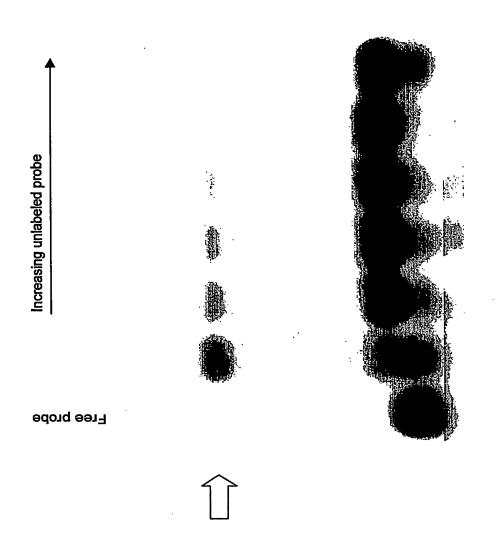
Consensus: GGYAYYRRRACCACYY

Figure 4b

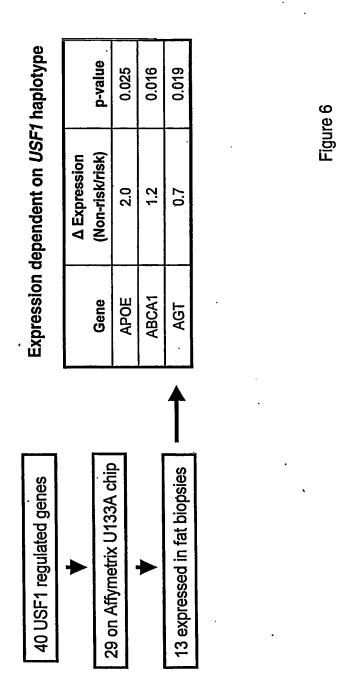


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igure 5b



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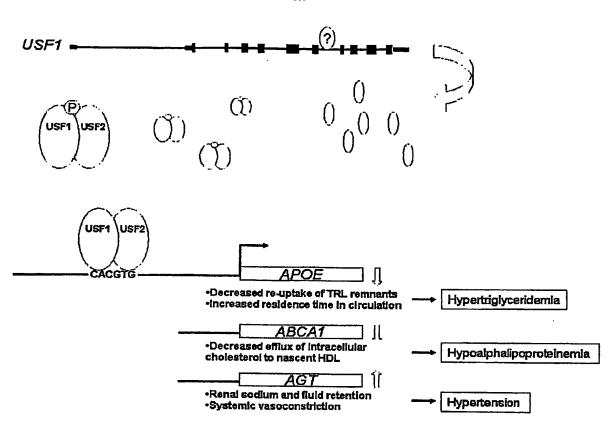


Figure 7

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